

FIG. 1

TI-32443

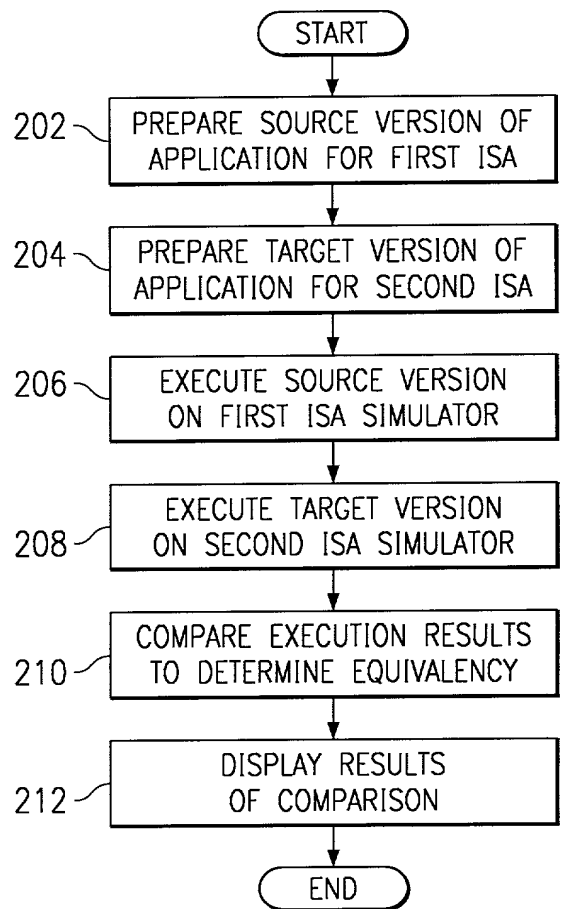


FIG. 2



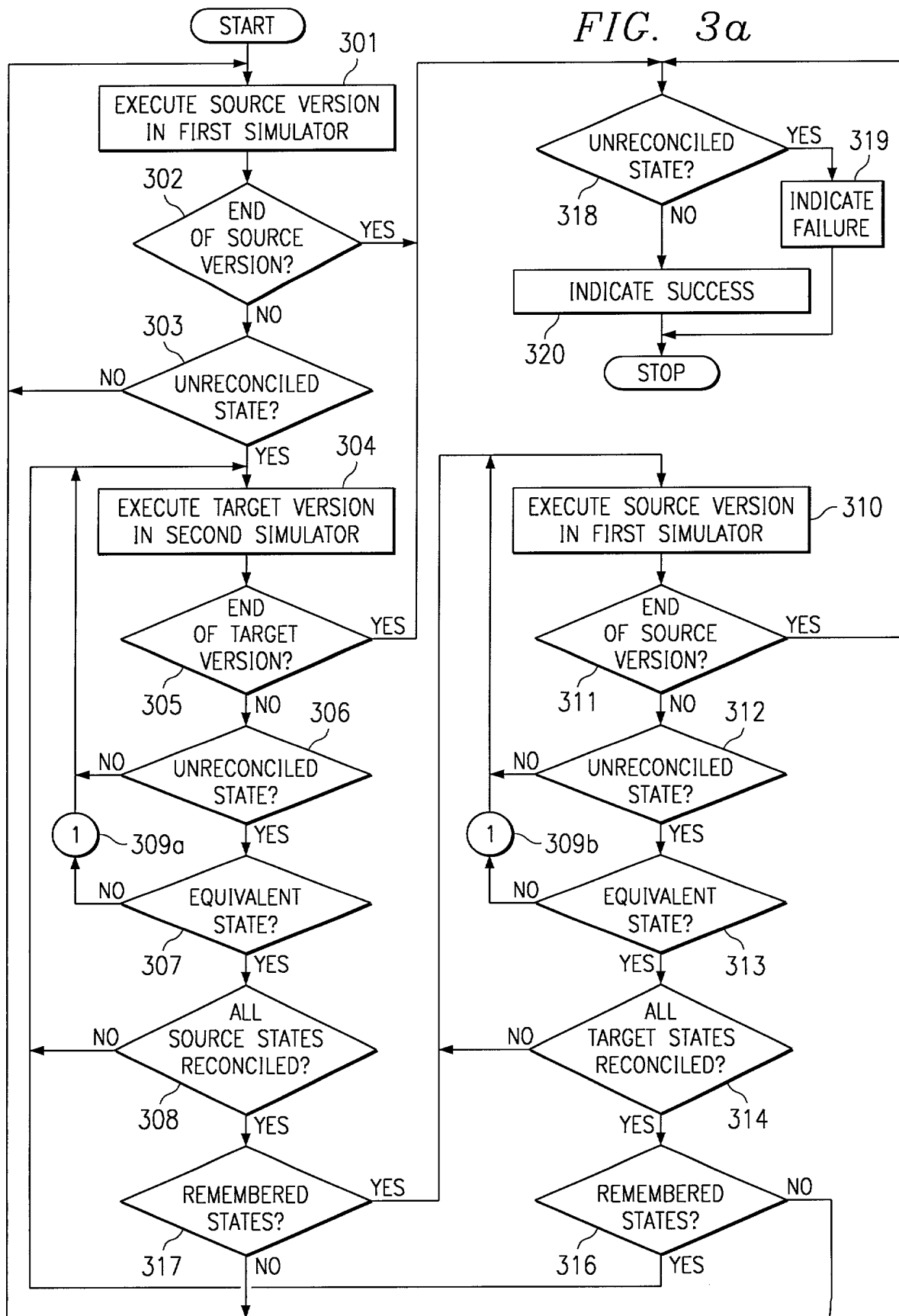
403		405	404		406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	EMPTY		MOV data1, AR3	EMPTY
401	LD #1, A		402	MOV #1, AC0	
	NOP			NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4a

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FIG. 3a



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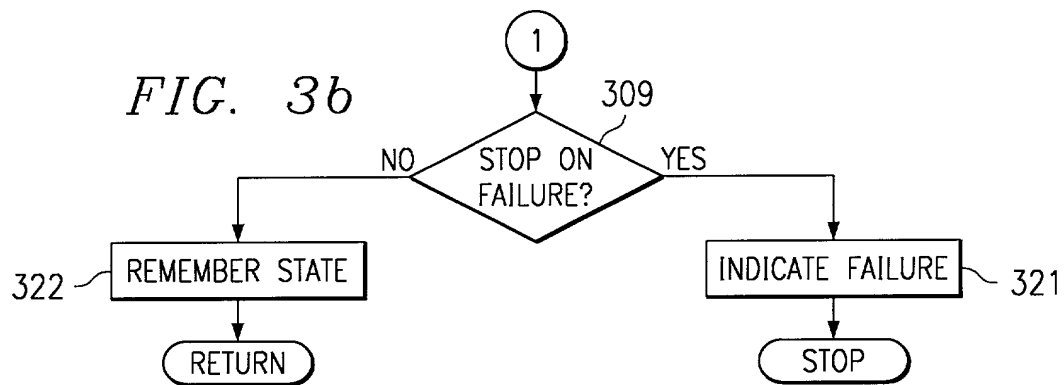


FIG. 4b

SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800		MOV data1, AR3	EMPTY
→	LD #1, A		402	MOV #1, AC0	
401	NOP			NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4c

SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800		MOV data1, AR3	XAR3=0x430
→	LD #1, A		→	MOV #1, AC0	
401	NOP		402	NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

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	403	405		404	406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 A=1		MOV data1, AR3	XAR3= 0x430
	LD #1, A			MOV #1, AC0	
→	NOP		↘ 402	NOP	
401	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4d

	403	405		404	406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 A=1		MOV data1, AR3	XAR3= 0x430 AC0=1
	LD #1, A			MOV #1, AC0	
→	NOP		↘ 402	NOP	
401	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4e

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403		405	404		406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 (*AR3)=1		MOV data1, AR3	XAR3=0x430
	LD #1, A			MOV #1, ACO	
	NOP		402	NOP	
	NOP			NOP	
401	STL A, *AR3+			MOV ACO<<#0, AR3+	
→	NOP			NOP	

FIG. 4f

403		405	404		406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 (*AR3)=1		MOV data1, AR3	XAR3=0x430 (*XAR3)=1
	LD #1, A			MOV #1, ACO	
	NOP			NOP	
	NOP			NOP	
401	STL A, *AR3+		402	MOV ACO<<#0, AR3+	
→	NOP		→	NOP	

FIG. 4g

FIG. 4h

403		405		404		406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE	
	STM data1, AR3	EMPTY		MOV data1, AR3	EMPTY	
	LD #1, A			MOV #1, AC0		
	NOP			NOP		
	NOP			NOP		
401 →	STL A, *AR3+		402 →	MOV AC0<<#0, AR3+		
	NOP			NOP		

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FIG. 5a

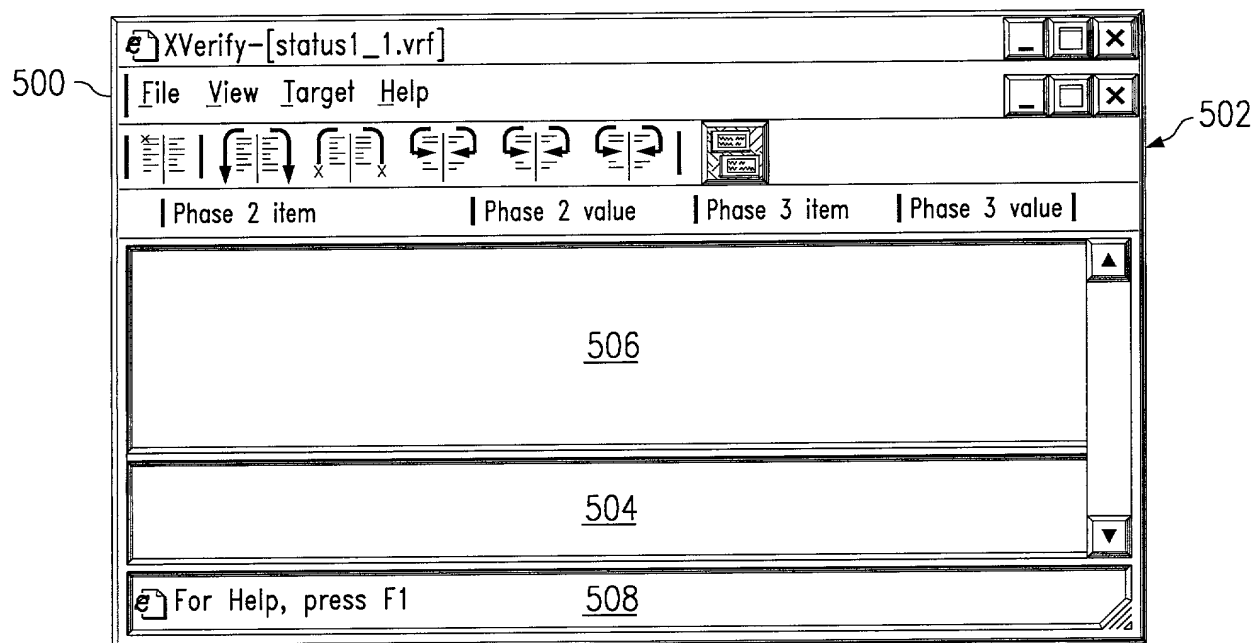


FIG. 5b

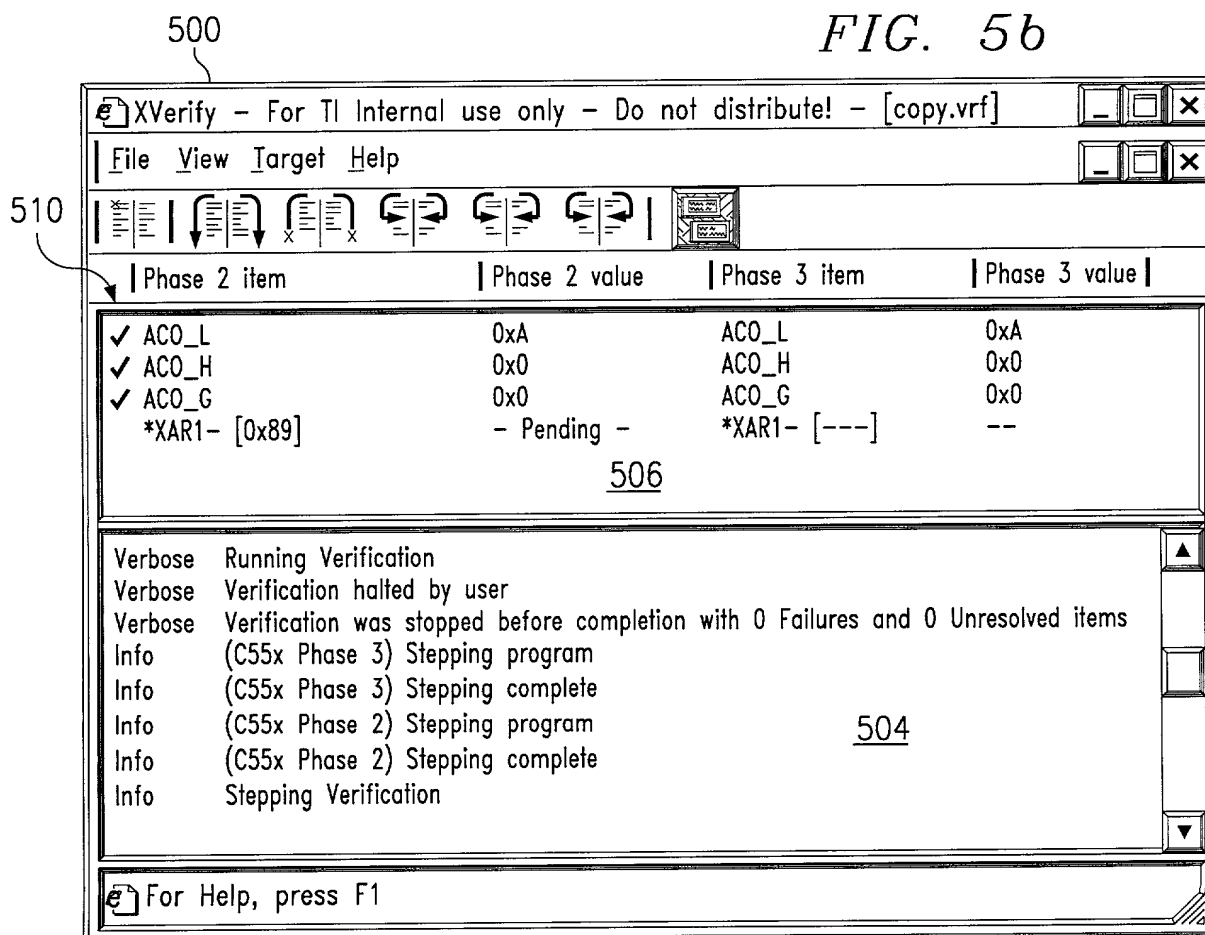


FIG. 6a

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The dialog box is titled "Xverify Options:" and has a standard Windows-style title bar with a question mark and a close button. It features a tabbed interface with six tabs: "Files" (labeled 630), "Triggers" (labeled 631), "Verification" (labeled 632), "Registers" (labeled 633), "Display" (labeled 634), and "Comments" (labeled 635). The "Files" tab is currently selected. Inside the dialog, there are three main sections, each enclosed in a dashed border:

- Source Program:** Contains a "File:" label, a text box with "c54cm1_p2.out", and a browse button "...". Below this is an "Execute On:" section with two radio buttons: "Simulator" (selected) and "Emulator".
- Target Program:** Contains a "File:" label, a text box with "c54cm1_p3.out", and a browse button "...". Below this is an "Execute On:" section with two radio buttons: "Simulator" (selected) and "Emulator".
- Code Composer Options:** Contains two radio buttons: "Run Code Composer in the Background while running Xverify." and "Show Code Composer while running XVerify." (selected).

At the bottom of the dialog, there are three buttons: "OK", "Cancel", and "Help". The entire dialog box is labeled with the number 600.

FIG. 6d

This dialog box is also titled "Xverify Options:" and has a similar title bar. It features the same six tabs as FIG. 6a: "Files", "Triggers", "Verification", "Registers" (labeled 633), "Display", and "Comments". The "Registers" tab is currently selected. Inside the dialog, there is one main section enclosed in a dashed border:

- Address Registers:** Contains two radio buttons: "Track address register contents" and "Do not track address register contents. (Indirect writes to memory using address registers will be tracked.)" (selected). This section is labeled with the number 619.

At the bottom of the dialog, there are three buttons: "OK", "Cancel", and "Help". The entire dialog box is labeled with the number 618.

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FIG. 6b

Xverify Options: ? X

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Files Triggers Verification Registers Display Comments

Trigger ON points cause verification to begin at that address. Trigger OFF points cause verification to stop and the program to be executed without verification up to the next ON point. Trigger STOP points halt the verification process.

Source Program

☒ Turn on verification
☐ Turn off verification
☐ Stop verification

Add Remove

Address 604

Address	Type
begin_verify	On
end_verify	Stop

608

Target Program

☒ Turn on verification
☐ Turn off verification
☐ Stop verification

Add Remove

Address 606

Address	Type
begin_verify	On
end_verify	Stop

610

602

OK Cancel Help

FIG. 6f

Xverify Options: X

635

Files Triggers Verification Registers Display Comments

Enter any comments for this verification document in the box below.

626

OK Cancel Apply Help

FIG. 6c

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The dialog box is titled "Xverify Options:" and has a standard Windows-style title bar with a question mark and a close button. It features a tabbed interface with tabs for "Files", "Triggers", "Verification", "Registers", "Display", and "Comments". The "Verification" tab is currently selected. Inside the dialog, there are two main sections: "Stop Options" and "Verification Type". The "Stop Options" section contains a checked checkbox labeled "Stop verification when differences are found." and a text box containing the number "20", with a label "Maximum number of steps before an unmatched item is considered to be a difference." below it. The "Verification Type" section contains two radio buttons: "C54x to C55x" and "C55xx phase 2 C55x phase 3", with the latter being selected. At the bottom of the dialog are three buttons: "OK", "Cancel", and "Help".

632

Files Triggers Verification Registers Display Comments

Stop Options

☒ Stop verification when differences are found.

20 Maximum number of steps before an unmatched item is considered to be a difference.

Verification Type

☐ C54x to C55x

☒ C55xx phase 2 C55x phase 3

OK Cancel Help

FIG. 6e

The dialog box is titled "Xverify Options:" and has a standard Windows-style title bar with a question mark and a close button. It features a tabbed interface with tabs for "Files", "Triggers", "Verification", "Registers", "Display", and "Comments". The "Display" tab is currently selected. Inside the dialog, there are two main sections: "State Display" and "Messages". The "State Display" section contains a text box containing the number "3", with a label "Number of steps to show match items before removing them." below it. The "Messages" section contains the text "Show the following types of log messages:" followed by four checkboxes: "Errors", "Warnings", "Information", and "Verbose Information". The "Errors" and "Warnings" checkboxes are checked, while "Information" and "Verbose Information" are unchecked. There is also a "Diagnostics" checkbox which is unchecked. At the bottom of the "Messages" section is a text box labeled "Log messages to file:" followed by an ellipsis button "...". At the bottom of the dialog are four buttons: "OK", "Cancel", "Apply", and "Help".

634

Files Triggers Verification Registers Display Comments

State Display

3 Number of steps to show match items before removing them.

Messages

Show the following types of log messages:

☒ Errors ☒ Information

☒ Warnings ☐ Verbose Information ☐ Diagnostics

☐ Log messages to file: ...

OK Cancel Apply Help

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FIG. 7

